

PhD seminar 2024

IEP SAS



Wednesday, June 26, 2024

Aula, Watsonova 47, Košice

8:30 - 8:45	Opening and actual information about PhD study
8:45 – 9:00	1 st year:
8:45 – 9:00	Hanan Kareem Abdul (BP) Misfolding proteins in amyloid diseases and their prevention/therapy
9:00 – 9:30	2 nd year:
9:00 – 9:15	Viktória Fedorová (BP) Structural, functional and dynamic features of protein amyloid structures
9:15 – 9:30	Ravneet Kaur (AM) Study of the atomic structure of materials with a high degree of disorder

9:30 - 10:00 Coffee break

10:00 – 11:15 3rd year:

10:00 - 10:15 Ivana Garčárová (BP)

Evaluation of the importance of hydrophobic interactions in functional and structural integrity of supramolecular protein assemblies

10:15 - 10:30 Kamil Goliaš (CMP)

Classical to quantum crossover in mechanical resonators

10:30 - 10:45 Filip Košuth (CMP)

Study of superconductivity in topological materials

10:45 - 11:00 Dmytro Miakota (PEAM)

Self-organization in nanocomposites based on liquid crystals

11:00 - 11:15 Kristina Zolochevska (PEAM)

Biomedical and biotechnological applications of magnetic nanoparticles

11:15 – 11:30 4th year:

11:15 - 11:30 Július Bačkai (PEAM)

Frustrated metallic magnetic systems

11:30 Short session of supervisors, guarantees and members of Scientific Council IEP SAS

Explanatory notes:

AM - Advanced Materials (FS UPJS, guarantee: I. Škorvánek)

BP - Biophysics (FS UPJS, guarantee: A. Musatov)

CMP - Condensed Matter Physics (FS UPJS, guarantee: P. Samuely)

PEAM - Physical Engineering of Advanced Materials (FEI TUKE, guarantee: S. Gabáni)